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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/551,817 | 09/30/2005 | Ping Lin | CU-4448 RJS | 3935 |

26530 7590 10/18/2007
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| EXAMINER |
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CHENG, ICHIEH

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| ART UNIT | PAPER NUMBER |
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4183

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10/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/551,817

Applicant(s)

LIN ET AL.

Examiner

Ichieh Cheng

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 02/21/2006.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1, 2 and 3 are rejected under 35 U.S.C. 102() as being anticipated by applicant's admitted prior art disclosed in background of the invention.

As to claim 1, the admitted prior art (Background of the invention) discloses a method for managing data transmission during a user equipment (UE) handover procedure used in a Radios Network Controller (RNC) having a distributed architecture, wherein RNC comprises a plurality of radio signaling management boards, a plurality of data transmission management boards and interface ATM boards (Fig 1). The method comprises: one of the plurality of radio signaling management boards acquires a handover request transmitted by UE in cells within the same RNC from a first ATM interface board; the radio signaling management board creates mapping between one of the plurality of data transmission management boards and a second ATM interface

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board, and said data transmission management board has mapping to the first ATM interface board before handover; and radio signaling management board informs UE of performing data transmission between the data transmission management board and the second ATM interface board (Background of the invention and Fig. 1).

As to claim 2, the admitted prior art (Background of the invention) further discloses the step of creating mapping between one of the plurality of data transmission management boards and a second ATM interface board further comprises: the radio signaling management board causes the second ATM interface board to learn an IP address (Parameter configuration information relative to IU interface) of the data transmission management board, and data transmission management board to learn an IP address (Parameter configuration information relative to IU interface) of the second ATM interface board (Background of the invention and Fig.1).

As to claim 3, the admitted prior art (background of the invention) further discloses that the interface ATM board obtains its IP address in accordance with an index number of the data transmission management board, and the data transmission management board obtains its IP address in accordance with an index number of the interface ATM board (Index number is interpreted as information being transferred).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's admitted prior art (Background of the invention) as applied to claim 1 above, and further in view of Robbins et al (US 2002/0021689).

The applicant's admitted prior art discloses the claimed invention above, but fails to teach the deletion of mapping between the first ATM interface board and the data transmission management board.

However, Robbins et al teach the deletion of mapping (routing table removal, column 6, [0063]) to insure accurate IP packet delivery (column 3, [0035]).

Therefore, It would have been obvious to one of ordinary skill in the art at the time the applicants' invention was made to include the deletion of mapping table step taught by Robbins in applicant's admitted prior art in order to insure accurate IP packet delivery.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ichieh Cheng whose telephone number is 571-270-

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1941. The examiner can normally be reached on Monday to Thursday 7:30am to 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Len Tran can be reached on 571-272-1184. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner: Ichieh Cheng
AU: 4183

IC

Ichieh Cheng
10/10/07

Supern3ay **LENTRAN**
PRIMARY EXAMINER
10/12/07